

**STATE OF CALIFORNIA**  
California Energy Commission

Minutes of the May 4, 2011, Energy Commission Business Meeting.

The meeting was called to order by Chair Robert B. Weisenmiller. The Pledge of Allegiance was lead by Chair Weisenmiller.

Present:  
Robert B. Weisenmiller, Chair

Karen Douglas, Commissioner  
Carla J. Peterman, Commissioner

1. CONSENT CALENDAR. (Items on the Consent Calendar will be taken up and voted on as a group. A commissioner may request that an item be moved and discussed later in the meeting.)
  - a. The Regents of the University of California: Possible approval of Amendment 4 to agreement 500-02-004 with the Regents of the University Of California, California Institute for Energy and Environment (CIEE) for eight- month no-cost time extensions to complete critical projects that require additional time. Contact: Mike Gravely.
    - 1) UC-MRA-001. Administration. Possible approval of Amendment 4 for an eight-month no-cost time extension to complete the administration portion of the Master Research Agreement 500-02-004.
    - 2) UC-MRA-026. Air Quality Research Project. Possible approval of Amendment 3 for a six-month no-cost time extension to complete the field program.
    - 3) UC-MRA-045. West Coast Regional Carbon Sequestration Partnership, Phase II. Possible approval of Amendment 3 for an eight-month no-cost time extension to update reports and complete the final deliverables due to delays.
    - 4) UC-MRA-70. Fault Analysis in Underground Cables. Possible Approval of Amendment 3 for a six-month no-cost time extension to complete field testing and documentation.
    - 5) UC-MRA-084. PIER State Partnership for Energy Efficiency Demonstrations. Possible approval of Amendment 2 for an 8-month no-cost time extension to allow time to benchmark, install and monitor the energy savings from the demonstration projects and enhance the quality of the results.
    - 6) UC-MRA-088. Strategic Analysis of Energy Storage Technology. Possible approval of Amendment 1 for a six-month no-cost time extension needed to complete the project, due to delays.
    - 7) UC-MRA-089. Life Cycle Greenhouse Gas and Energy Analyses of Production of Algae Biofuels. Possible approval of Amendment 1 for a six-month no-cost time extension which is needed to complete the project due to delays.
    - 8) UC-MRA-090. Under-measured and Overlooked Fuel-Saving Opportunities in California's Light Duty Vehicles. Possible approval of Amendment 1 for a six-month no-cost time-extension which is needed to complete the project due to delays.

- b. COUNTY OF SONOMA. Possible adoption of the County of Sonoma's locally adopted building energy standards to require greater energy efficiency than the 2008 Building Energy Efficiency Standards. Contact: Joe Loyer.
- c. CITY OF MANHATTAN BEACH. Possible approval of the City of Manhattan Beach's locally adopted building energy standards to require greater energy efficiency than the 2008 Building Energy Efficiency Standards. Contact: Joe Loyer.
- d. WESTERN INTERSTATE ENERGY BOARD. Possible approval of Contract 150-10-005 for \$36,000 with Western Interstate Energy Board for two years' dues. (ERPA funding.) Contact: Bill Chamberlain.
- e. UNIVERSITY OF CALIFORNIA, DAVIS-WESTERN COOLING EFFICIENCY CENTER. Possible approval of Amendment 1 to Contract 500-08-042 with University of California, Davis-Western Cooling Efficiency Center. This amendment will extend the contract by four months and reallocate cost among the administrative items. The scope of work for research tasks will not be changed. Contact: Joseph Fleshman.
- f. LAWRENCE BERKELEY NATIONAL LABORATORY. Possible approval of Amendment 1 to Contract 500-09-003 with Lawrence Berkeley National Laboratory for a 12-month, no-cost time extension. The project is developing the web-based EnergyIQ benchmarking and energy efficiency application for commercial buildings. Contact: Kiel Pratt.
- g. SOUTHERN CALIFORNIA GAS COMPANY. Possible approval of Amendment 1 to Contract 500-08-026 with Southern California Gas Company for a 12-month, no-cost time extension. The project is developing Excel-based calculator tools for industrial natural gas efficiency. Contact: Kiel Pratt
- h. INTER-CON SECURITY SYSTEMS, INC. Possible approval of Amendment 6 to Contract 200-07-004 with Inter-Con Security Systems, Inc., to add \$17,000.00, adjust the blended benefit rate, and extend the contract from June 1, 2011 to June 30, 2011 Contact: Emily Oren.
- i. CITY OF ANDERSON. Possible approval of Amendment 1 to Agreement CBG-09-166 with the City of Anderson to reclassify the agreement from an Energy Efficiency Project to a Direct Equipment Purchase; change the scope of work to increase the number of streetlight retrofits and remove interior lighting and control projects; and reallocate \$22,196 from various budget categories to the Non-labor Contract Expenses and Contract Labor categories. Contact: Serena Fong.
- j. HUNTINGTON BEACH GENERATING STATION (00-AFC-13C). Possible approval of a petition to change ownership of Huntington Beach Generating Station Units 3 and 4 from AES Huntington Beach, LLC to Edison Mission Huntington Beach, LLC. Contact: Christina Snow.

- k. CALIFORNIA COMMISSIONING COLLABORATIVE. Possible approval of Contract 400-10-008 for \$22,000 with the California Commissioning Collaborative. The Collaborative is a non-profit 501(c) organization that promotes education, training, stronger building codes, and commissioning standards to encourage expansion of the practice of building commissioning in the California new construction and retrofit markets. (ERPA funding.) Contact: Tav Commins.

*Items 1a, 1d, and 1f were removed from the agenda. Commissioner Douglas moved and Commissioner Peterman seconded approval of the remaining Consent items. The vote was unanimous. (3-0)*

2. WALNUT CREEK ENERGY PARK (05-AFC-2C). Possible approval of a petition to amend the Walnut Creek Energy Park project to modify air quality Conditions of Certification related to South Coast Air Quality Management District Rules and Regulations. Contact: Christina Snow. (10 minutes)

*Commissioner Douglas moved and Commissioner Peterman seconded approval of the petition. The vote was unanimous. (3-0)*

3. SCRIPPS INSTITUTION OF OCEANOGRAPHY. Possible approval of Contract 500-10-041 for \$1.2 million with the University of California, Scripps Institution of Oceanography, to improve meteorological and hydrologic models to forecast the impact of climate change on energy demand and hydropower generation. (PIER electricity funding.) Contact: Guido Franco. (5 minutes)

*Commissioner Peterman moved and Commissioner Douglas seconded approval of Contract 500-10-041. The vote was unanimous. (3-0)*

4. UNIVERSITY OF CALIFORNIA, BERKELEY. Possible approval of Contract 500-10-035 for \$82,510 with the Regents of the University of California, Berkeley, to study the relationship between fog, winter chill hours, and energy demand for heating in the Central Valley region. (DOE funding.) Contact: Sarah Pittiglio. (5 minutes)

*Commissioner Peterman disclosed for the record that she has a relationship with UC Berkeley, in that she is finishing her doctoral dissertation there in the Energy and Resources Group, which is not connected with this project.*

*Commissioner Peterman moved and Commissioner Douglas seconded approval of Contract 500-10-035. The vote was unanimous. (3-0)*

5. UNIVERSITY OF CALIFORNIA, SAN DIEGO. Possible approval of Contract 500-10-39 with the University of California, San Diego for \$2 million to establish the California Initiative for Large Molecule Sustainable Fuels. (PIER natural gas funding.) Contact: David Effross. (5 minutes)

*Commissioner Douglas moved and Commissioner Peterman seconded approval of Contract 500-10-039. The vote was unanimous. (3-0)*

6. UNIVERSITY OF CALIFORNIA, IRVINE. Possible approval of Contract 500-10-040 for \$157,965 with the Regents of the University of California, Irvine, Advanced Power and Energy Program on Research Needs and Energy Program. The project is to develop a roadmap for the Public Interest Energy Research Program on research needs related to renewable generation and alternative fuel, and quantify the air quality benefits of using

these resources in California. (PIER electricity and natural gas funding.)  
Contact: Marla Mueller. (5 minutes)

*Commissioner Douglas moved and Commissioner Peterman seconded approval of Contract 500-10-040. The vote was unanimous. (3-0)*

7. GILBERT ASSOCIATES, INC. Possible approval of Contract 600-10-007 for \$81,989 with Gilbert Associates, Inc., to complete annual audits for the Series 2003A and 2005A bond issues of the Energy Efficiency Master Trust Revenue Bonds. (ECAA bond funding.) Contact: Chris Scott. (5 minutes)

*Commissioner Douglas moved and Commissioner Peterman seconded approval of Contract 600-10-007.*

8. COUNTY OF SANTA CRUZ. Possible approval of Agreement 001-10-ECA for a loan of \$219,993 to the County of Santa Cruz to implement several energy efficiency measures including HVAC upgrades and exterior lighting upgrades. These energy efficiency projects will save the County of Santa Cruz approximately 187,885 kWh and 32,785 therms annually. This translates to an annual energy cost savings of \$50,061 and a simple payback of 4.4 years on the loan amount. (ECAA funding.) Contact: Haile Bucaneg. (5 minutes)

*Commissioner Douglas moved and Commissioner Peterman seconded approval of Agreement 001-10-ECA. The vote was unanimous. (3-0)*

9. UNITED STATES FOREST SERVICE. Possible approval of Contract 600-10-006 for \$1.5 million with the United States Forest Service – Pacific Southwest Research Station to investigate the sustainability of forest biomass for renewable biofuels. (ARFVT funding.) Contact: Bill Kinney. (5 minutes)

*Commissioner Douglas moved and Commissioner Peterman seconded approval of Contract 600-10-006. The vote was unanimous. (3-0)*

10. CLEAN ENERGY STATES ALLIANCE. Possible approval of Contract 400-10-011 for \$61,000 with Clean Energy States Alliance to renew the Energy Commission's membership for one year. Clean Energy States Alliance is a unique multistate collaboration of public clean energy funds and state agencies working together to develop and promote clean energy and low-carbon technologies and expand the market for these technologies. (RRTF funding.) Contact: Madeleine Meade. (5 minutes)

*Commissioner Douglas moved and Commissioner Peterman seconded approval of Contract 400-10-011. The vote was unanimous. (3-0)*

11. CUMMINS, INC. Possible approval of Agreement ARV-10-044 for a grant of \$2,715,707 to Cummins, Inc., to develop and demonstrate a medium-duty truck powertrain optimized to low-carbon emissions through a 'downsized' engine specifically for E-85 and a dedicated hybrid drive system. (ARFVT funding.) Contact: Gary Yowell. (5 minutes)

*Commissioner Douglas moved and Commissioner Peterman seconded approval of Agreement ARV-10-044. The vote was unanimous. (3-0)*

12. SOUTHERN CALIFORNIA REGIONAL COLLABORATIVE. Possible approval of Agreement ARV-10-045 for a grant of \$840,750 to Southern California Regional Collaborative to install or upgrade at least 315 electric vehicle charging stations at various locations throughout Southern California. (ARFVT funding.) Contact: Leslie Barood. (5 minutes)

*Commissioner Douglas moved and Commissioner Peterman seconded approval of Agreement ARV-10-045. The vote was unanimous. (3-0)*

13. UNIVERSITY OF CALIFORNIA, IRVINE. Possible approval of Agreement ARV-10-046 for \$122,500 with the Regents of the University of California, Irvine, to deploy zero-emission electric vehicles through a car-sharing program, and to install up to 20 electric vehicle charging stations to support the program. (ARFVT funding.) Contact: Linda Schrupp. (5 minutes)

*Commissioner Douglas moved and Commissioner Peterman seconded approval of Agreement ARV-10-046. The vote was unanimous. (3-0)*

14. TRANSPower. Possible approval of Amendment 1 to Agreement ARV-10-020 to add \$605,074 in additional match funds from the South Coast Air Quality Management District and Transpower for the production of one additional Class 8 truck. The additional heavy-duty electric truck will be used in a demonstration in the San Pedro port area. (ARFVT funding.) Contact: Aleecia Macias. (5 minutes)

*Commissioner Douglas moved and Commissioner Peterman seconded approval of Amendment 1 to Agreement ARV-10-020. The vote was unanimous. (3-0)*

15. PARKER-HANNIFIN CORP. Possible approval of an amendment to Agreement ARV-09-011, substituting Parker-Hannifin for Coca-Cola Enterprises as the Grant Recipient, to demonstrate four heavy-duty hybrid hydraulic beverage delivery trucks. (ARFVT funding.) Contact: Jennifer Allen. (5 minutes)

*Commissioner Douglas moved and Commissioner Peterman seconded approval of the amendment to Agreement ARV-09-011. The vote was unanimous. (3-0)*

16. PETERBILT MOTORS COMPANY. Possible approval of a vehicle buy-down incentive reservation for Peterbilt Motors Company, a division of PACCAR Inc., in the amount of \$1,280,000 for the buy-down of 40 natural gas vehicles (26,001 pounds gross vehicle weight or greater). (ARFVT funding.) Contact: Pat Perez. (5 minutes)

*Commissioner Douglas moved and Commissioner Peterman seconded approval of the reservation for Peterbilt Motors Company. The vote was unanimous. (3-0)*

17. **Minutes:** Possible approval of the April 20, 2011, Business Meeting Minutes.

No action was taken on the Minutes.

18. **Commission Committee Presentations and Discussion:**

Commissioner Douglas reminded everyone to participate in May is Bike Month.

Commissioner Peterman discussed the upcoming IEPR workshop on deployment of renewable energy on state properties. In addition she will be speaking at the Coachella Valley Economic

Summit next week and will participate in Green Lining's Economic Summit in the Los Angeles area.

Chair Weisenmiller commented on last week's workshop on energy storage and the upcoming session on distributed generation.

19. **Chief Counsel's Report:** Chief Counsel Michael Levy requested a closed session to discuss facts and circumstances that constitute a significant exposure to litigation against the Commission.
20. **Executive Director's Report:** None.
21. **Public Adviser's Report:** None.
22. **Public Comment:** None.
23. **Internal Organization and Policy.** None.

**Appearances:**

Ms. Jennifer Lee, Walnut Creek Energy, LLC

Ms. Jane Luckhardt, Downey Brand, LLP

Mr. Brian Yeh, South Coast Air Quality Management District (by telephone)

Mr. Philip Pettingill, California Independent System Operator

Dr. Stephen Mayfield, University of California, San Diego

Mr. Dipankar Sarkarm, South Coast Air Quality Management District (by telephone)

There being no further business, the meeting was adjourned to a closed session to begin at noon.

Respectfully submitted,

HARRIET KALLEMEYN  
Secretary to the Commission